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(71) Applicant (for all designated States except US): DIVYSIO SOLUTIONS LTD. [CA/CA]; 5670 Yew Street, Vancouver, British Columbia V6M 3Y3 (CA).

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(72) Inventors; and

2.192.520

(75) Inventors/Applicants (for US only): PENN, Ian, M. [CA/CA]; 6360 Larch Street, Vancouver, British Columbia V6R 4E9 (CA). RICCI, Donald, R. [CA/CA]; 4150 West 8th Street, Vancouver, British Columbia V6R 1Z6 (CA).

(74) Agents: NASSIF, Omar, A. et al.; McCarthy Tétrault, Suite 4700, Toronto Dominion Bank Tower, Toronto-Dominion Centre, Toronto, Ontario M5K 1E6 (CA). GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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(54) Title: EXPANDABLE STENT AND METHOD FOR DELIVERY OF SAME

(57) Abstract

An expandable stent comprising a proximal end and a distal end in communication with one another and a tubular wall disposed between the proximal end and the distal end. The tubular wall has a longitudinal axis and a poreus surface defined by a plurality of intersecting members comprising a series of longitudinal strust disposed substantially parallel to the longitudinal axis of the stent. Each longitudinal stru the series comprises flexure means for substantially complementary extension and compression of a diametrically opposed pair of the longitudinal strust upon flexure of the stent. The stent is expandable from a first contracted position to a second, expanded position upon the application of a radially outward force on the stent. The provision of such flexure means in the series of longitudinal struts leads to a very desirable balance of lateral flexibility of the unexpanded stent and radial rigidity of the scanded stent.

